DAS Energy

THE DESERT MODULE

EXTREME WEATHER CONDITIONS

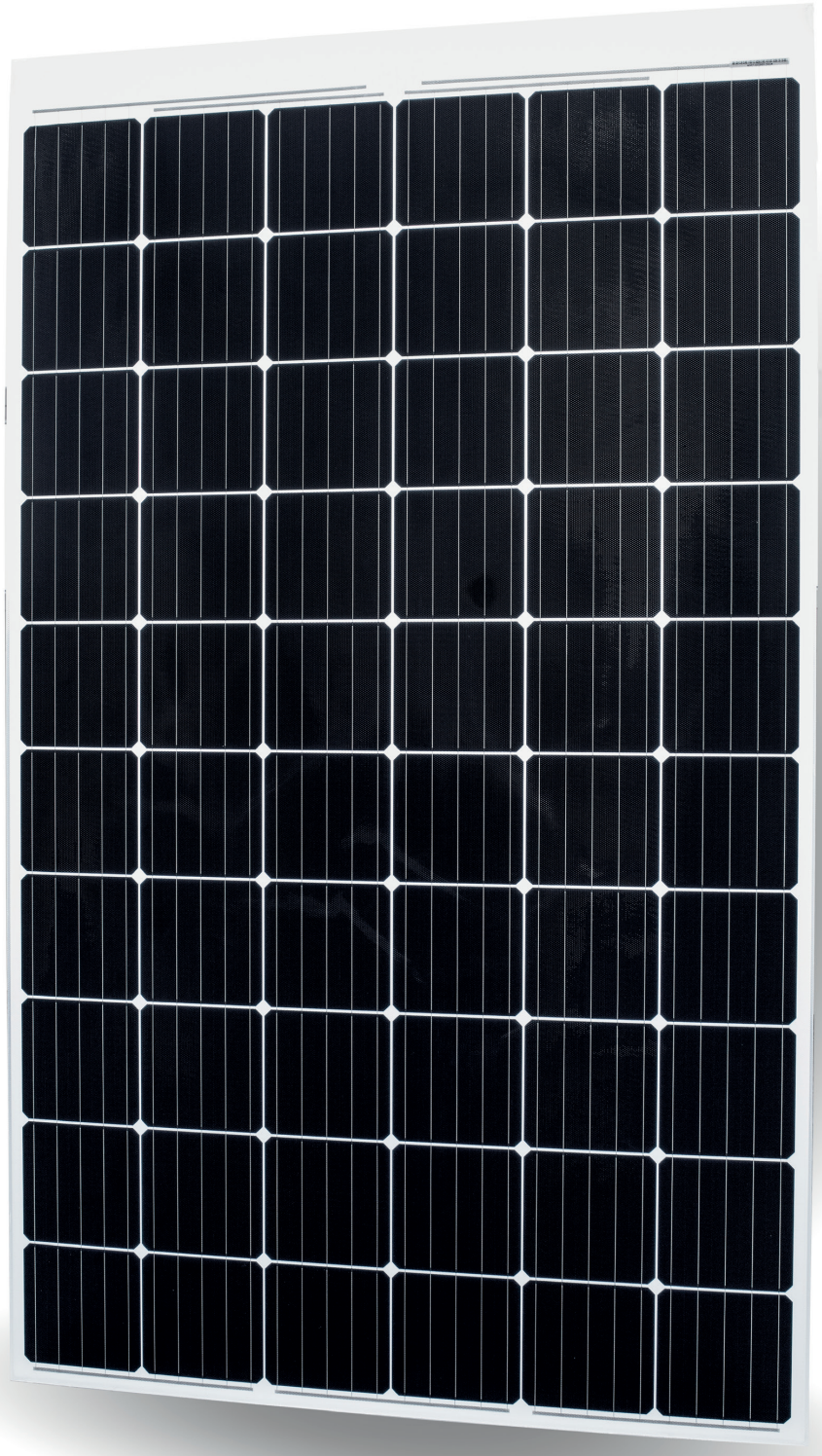
SOLID DESIGN

PATENTED DESIGN

HIGHER ENERGY YIELD

OPTIONAL BIFACIAL CELLS

HEAT-RESISTANT



THE DESERT MODULE

Our frameless desert module was especially developed for regions with extreme weather conditions. Thanks to the unique setup, the module can withstand the very high temperatures of desert regions on the long-term without damage. When it comes to sandstorms, the module shows a much better resistance than conventional glass modules. Our anti-reflective, dirt-resistant and light-catching surface ensures maximum electrical yield of our modules.

TECHNICAL DATA		
Product	BG 10x6BiFa	BG 10x6M
Solar Cells	5BB monocrystalline bifacial	5BB monocrystalline
Power (Wp)	285 Wp Front -0/+5 W	285 Wp Front -0/+5 W
Number of cells	60	
Dimension (L x W x T)	1706 x 991(1021) x 3.4mm	
Weight	17 kg	
Maximum system voltage	1000 V	
Maximum reverse current	20 A	
Front sheet	Soil-resistant ETFE-Film	
Encapsulation	Patented fiberglass-reinforced plastic	
Back	Tempered glass	
Junction box	TÜV-certified (IP67/68) with bypass-diodes	
Cables	2 x 4 mm^2, 900mm	
Connector	PV4-S	

ELECTRIC CHARACTERISTICS						
Name	Cells	Power (Wp)	Isc (A)	Voc (V)	Imp (A)	Vmp (V)
BG 10x6	60	285	9.07	39.97	8.75	32.69

THERMAL CHARACTERISTICS	
Operating temperature range	-40°C to 85°C
Temperature coefficient Pmpp	-0.393 % / °C
Temperature coefficient Voc	-0.310 % / °C
Temperature coefficient Isc	0.051 % / °C

APPLICATIONS

Solarparks, systems in regions with extreme climatic conditions e.g. deserts and mountains

WARRANTY

10-year product warranty, 40-year linear performance warranty for building-integrated and building-applied installations

SCIENTIFIC PARTNERS AND ASSOCIATIONS

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